

Just-In-Time Report

Deficient Supplied Air Respirator Check Valves Identified

January 31, 2007

2007-RL-HNF-0005

Tracking No: 392

Site/Facility: Hanford/All

Event: An employee at the Advanced Mixed Waste Treatment Project in Idaho identified deficient check valves when preparing to install replacement valves on a PremAire® supplied air respirator unit. The units were being configured to allow a dual-air supply for a new application. The deficient check valves had stamped arrows on them indicating improper air-flow direction/alignment used for installation.

The check valves are MSA part number 630326 and are installed prior to a filter assembly (MSA part # 811940) attached to the main PremAire manifold (part # 496880) when configuring for a dual-air supply.

Important Points: These parts were only used for replacement parts for attaching the dual air-line (“pig-tail”) configurations. The dual supply airline is not currently in use at Hanford. Proper operation of a PremAire unit can easily be verified by air flow when connecting to the air hose.

The manufacturer was notified.

Contributors: Manufacturing defect

Other Important Considerations - Prevent Events

Managers/Supervisors	Workers
An event as unlikely as the flow arrow being stamped backwards may be unlikely, but it does happen so always report any concerns.	Always check equipment when doffing to ensure it will operate properly.
If any of the dual-airline PremAire units are encountered, tag them out of service and notify the FH Respiratory Protection Program Administrator.	

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The check valves are MSA part number 630326 and are installed prior to a filter assembly (MSA part # 811940) attached to the main PremAire® manifold (part # 496880) when configuring for a dual air supply. The two deficient check valves had stamped arrows on them indicating **improper** air-flow direction/alignment used for installation. The manufacture has been notified. See the photos showing the improper arrow alignment.

